

**METHOD AND SYSTEM FOR SUPPORTING MULTIPLE SERVICE  
PROVIDERS WITHIN A SINGLE OPTICAL NETWORK**

10       Analog video signals are communicated from multiple service providers to  
subscribers by using analog optical carriers. Unlike digital optical carriers that  
typically support data services or IP TV, analog optical carriers that can be  
demodulated or translated back into the analog radio-frequency (RF) signals do not  
require additional and costly hardware for reception by a RF receiving device such as  
15       a television (TV) set. With the present invention, a TV set does not need significant  
digital hardware such as a digital set top box to allow the TV set to view video signals  
from a desired service provider. The present invention can allow a plurality of  
competing service providers to offer video services to a subscriber through a single  
optical network.

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